

Converting Colors

$Yxy(46.2954, 0.2913, 0.4027)$

Have a look what the booklet for
Yxy(46.2954, 0.2913, 0.4027)
contains.

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Color

Yxy(46.2816, 0.2913, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	7BC594
RGB	123, 197, 148
RGB Percent	48%, 77%, 58%
CMY	0.5174, 0.2275, 0.4196
CMYK	0.38, 0.00, 0.25, 0.23
HSL	140°, 39%, 63%
HSV	140°, 38%, 77%
XYZ	33.4869, 46.2816, 35.1883
YIQ	169.2880, -28.3750, -30.9270

Conversions

Conversions Part 2

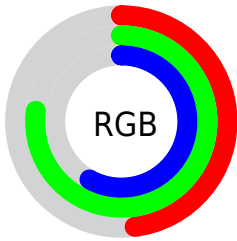
Format	Color
RYB	123, 178, 197
Decimal	8111508
CIELab	73.73, -33.62, 17.45
CIElCh	74, 37.878, 152.561
Yxy	46.2816, 0.2913, 0.4026
Android (android.graphics.Color)	4286301588 (0xFF7BC594)
YUV	169.2880, -10.4950, -40.5946
Hunter-Lab	68.0306, -31.1899, 16.9541

Details

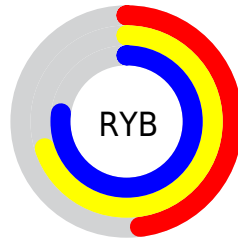
The Yxy color **46.2816, 0.2913, 0.4026** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0313, 0.3438, 0.2657**, and the grayscale version is **39.8975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6129, 0.2959, 0.3883**, and **21.8101, 0.2840, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **44.5827, 0.2868, 0.4267**, and if you desaturate by 10%, it is **48.3233, 0.2965, 0.3802**.

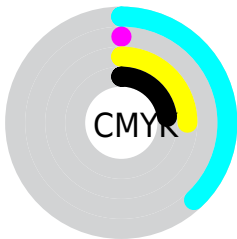
Distribution



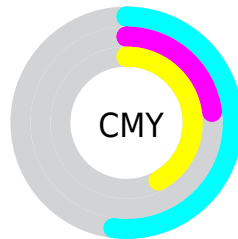
- Red (48%)
- Green (77%)
- Blue (58%)



- Red (48%)
- Yellow (70%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)





- Cyan (52%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2816, 0.2913, 0.4026 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.2816, 0.2913, 0.4026 by changing the saturation by 10% instead.


 46.2816, 0.2913,
0.4026


 46.2816, 0.2913,
0.4026


371.9396, 0.3029,
0.3640


 32.4681, 0.2881,
0.4128


 84.6403, 0.2957,
0.3882

 21.7193, 0.2838,
0.4263


 109.9542, 0.2973,
0.3829

 13.6508, 0.2778,
0.4448


 139.8705, 0.2986,
0.3784

 7.8782, 0.2688,
0.4717

174.7734, 0.2998,
0.3747

 4.0171, 0.2538,
0.5144

215.0474, 0.3007,
0.3715

 1.6831, 0.2276,
0.6140

261.0768, 0.3015,

 0.4127, 0.0000,

0.3687

1.0000

313.2461, 0.3023,
0.3662

0.0000, 0.0000,
0.0000

46.2816, 0.2913,
0.4026

46.2816, 0.2913,
0.4026

44.5827, 0.2868,
0.4267

48.3233, 0.2965,
0.3802

43.2017, 0.2835,
0.4519

50.7198, 0.3022,
0.3598

42.1193, 0.2815,
0.4776


53.4892, 0.3082,
0.3414


41.3117, 0.2812,
0.5026

56.6469, 0.3142,
0.3252

40.7514, 0.2827,
0.5258


60.2075, 0.3201,
0.3108


 40.3993, 0.2856,
0.5463

 64.1846, 0.3258,
0.2983

 40.3284, 0.2864,
0.5510

 67.4437, 0.3267,
0.2867

 68.2449, 0.3172,
0.2746

 68.4095, 0.3154,
0.2722

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2816, 0.3435, 0.4251



46.2816, 0.2913, 0.4026



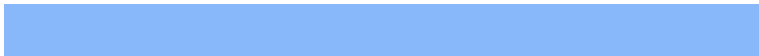
46.2816, 0.2472, 0.3543

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.2816, 0.2913, 0.4026



46.2816, 0.2371, 0.2462



46.2816, 0.4132, 0.3427

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.2816, 0.2913, 0.4026



29.0313, 0.3438, 0.2657

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2816, 0.3798, 0.3020



46.2816, 0.2913, 0.4026



46.2816, 0.2758, 0.2487

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.2816, 0.2913, 0.4026



46.2816, 0.2183, 0.2637



46.2816, 0.3280, 0.2687



46.2816, 0.4162, 0.3836

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2816, 0.2913, 0.4026



46.2816, 0.2277, 0.3184



46.2816, 0.3280, 0.2687



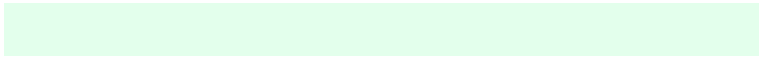
46.2816, 0.4051, 0.3287

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.2835, 0.2913, 0.4026



93.9230, 0.3060, 0.3479



50.1715, 0.3470, 0.4284



19.9559, 0.3052, 0.3504



0.0000, 0.0000, 0.0000



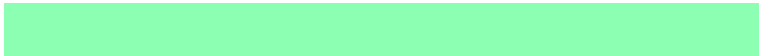
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2835, 0.2913, 0.4026



80.3706, 0.2876, 0.4222



47.6340, 0.2682, 0.3465



11.9460, 0.3071, 0.3447



26.5420, 0.2857, 0.5486



1.2703, 0.2735, 0.5047

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.0313, 0.3438, 0.2657



45.0617, 0.3531, 0.2522



27.8111, 0.3881, 0.3127



10.7534, 0.3188, 0.3138



8.8932, 0.4277, 0.2130



0.4342, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 46.2816, 0.2913, 0.4026 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.2816, 0.2913, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.2816, 0.2913, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 46.2816, 0.2913, 0.4026.

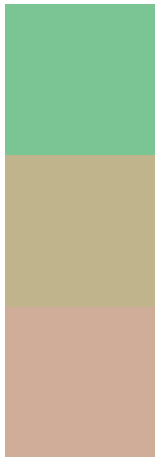


This preview shows how white text looks on a background with the Yxy color 46.2816, 0.2913, 0.4026.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.2816, 0.2913, 0.4026

Protanopia

45.7424, 0.3568, 0.3814

Deuteranopia

45.4524, 0.3617, 0.3542



Tritanopia

46.3856, 0.2621, 0.3083

Trichromacy



Original Color

46.2816, 0.2913, 0.4026



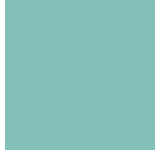
Protanomaly

45.3165, 0.3301, 0.3891



Deuteranomaly

44.9204, 0.3325, 0.3713



Tritanomaly

46.4259, 0.2729, 0.3417

Monochromacy



Original Color

46.2816, 0.2913, 0.4026



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.4888, 0.3038, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2816, 0.2913, 0.4026 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(123, 197, 148)` looks like.

```
.text, #text, p{  
    color:rgb(123, 197, 148)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(123, 197, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 197, 148) }
```

Border

The CSS property to change the border of an element to Yxy 46.2816, 0.2913, 0.4026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 197, 148) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(123, 197, 148) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(123, 197, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 197, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 197, 148);  
box-shadow:4px 4px 4px 4px rgb(123, 197,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2816, 0.2913, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 197, 148) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(123,  
197, 148) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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